

APPLICATION FOR TRANSPORTATION AND
UTILITY SYSTEMS AND FACILITIES
ON FEDERAL LANDS

FORM APPROVED
OMB NO. 1004-0060
Expires May 31, 1983

NOTE: Before filing the application, the applicant should completely review this package and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.

FOR AGENCY USE ONLY

Application Number

Date filed

1. Name and address of applicant (include zip code) American Gilsonite Company Bonanza Mining Operations Bonanza, Utah 84008	2. Name, title, and address of authorized agent if different from Item 1 (include zip code) O. L. Fyock Environmental Specialist Bonanza Mining Operations Bonanza, Utah 84008	3. TELEPHONE (area code) Applicant (801) 789-1921 (801) 789-7795 Authorized Agent
---	--	---

4. As applicant are you? (check one) a. <input type="checkbox"/> Individual b. <input checked="" type="checkbox"/> Corporation* c. <input type="checkbox"/> Partnership/Association* d. <input type="checkbox"/> State Government/State Agency e. <input type="checkbox"/> Local Government f. <input type="checkbox"/> Federal Agency * If checked, complete supplemental page	5. Specify what application is for: (check one) a. <input checked="" type="checkbox"/> New authorization b. <input type="checkbox"/> Renew existing authorization No. _____ c. <input type="checkbox"/> Amend existing authorization No. _____ d. <input type="checkbox"/> Assign existing authorization No. _____ e. <input type="checkbox"/> Existing use for which no authorization has been received* f. <input type="checkbox"/> Other* * If checked, provide details under Item 7
--	--

6. If an individual, or partnership are you a citizen(s) of the United States? ☐ Yes ☐ No

7. Project description (describe in detail): (a) Type of system or facility, (e.g. canal, pipeline, road); (b) related structures and facilities; (c) physical specifications (length, width, grading, etc.); (d) term of years needed; (e) time of year of use or operation; (f) volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for construction. (Attach additional sheets, if additional space is needed.)

(a) Water settling pond and gravel filtration bed. The pond is to be constructed to settle water being pumped from the mining operations and discharge into Coyote Wash as required by the facilities N.P.D.E.S permit. The structure is to be approximately 75' X 100' in overall size with a depth of approximately 4' (see attached engineering diagram). The filter bed will consist of aggregate gravel to a depth of approximately 8", and consume 20' of the interior of the pond. The pond, once completed, will be utilized for approximately five years and be in continuous use. Outside material to be used would consist only of aggregate gravel and piping to attach the inlet and discharge water systems. The duration of construction is estimated at approximately one week. The location of the pond is immediately adjacent to the Eureka 15 mine site currently being used by American Gilsonite at this time, (NW $\frac{1}{4}$ SEC 12 T9S R24E).

8. Attach map covering area and show location of project proposal

9. State or local government approval: ☐ Attached ☒ Applied for ☐ Not required

10. Nonreturnable application fee: ☐ Attached ☐ Not required

11. Does project cross international boundary or affect international waterways? ☐ Yes ☒ No (If "yes," indicate on map)

12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested.

The Bonanza Mining Operation has full time engineers of whom will design and supervise the construction of the facility. The operation also owns all equipment necessary to construct the pond.

- There are two alternative mode of discharging the water other than using the pond.
- (1) No settlement basins being used
 - (2) Constructing a small settlement basin on the patented mining claim directly above the vein to be mined.

b. Why were these alternatives not selected?

- (1) No settling could result in non compliance of the N.P.D.E.'s permit.
- (2) Is not practical, because there is insufficient size on the existing mine claim and it would possibly allow water to reenter the mine.

c. Give explanation as to why it is necessary to cross Federal lands.

The mine site, E-15, has been consumed by the existing head frame and facilities required for operating the mine and the terrain of the site does not allow for the positioning of a pond immediately on the patented claim.

14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency.
(Specify number, date, code, or name.)

NONE

15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.

Settling basins are the most economical and efficient means of settling out the impurities of the discharged mine water. Construction of a settling basin is expected to be approximately \$5,000 with very little maintenance of the pond expected in the next five years. Alternatives of chemical flocculents or active filtration systems would exceed \$5,000 and would require continuous maintenance. Expected public benefit would be that discharged water would be cleaner than if no pond were constructed.

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

There is no probable effect upon the population of the area.

17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.

Water is currently being discharged from the site, therefore surface water contamination would be less. However, the quantity would probably not be different. The proposed facility would have little effect upon air quality, visual impact and noise levels in the area. The disturbed surface would be reclaimed upon termination of the pond.

18. Describe the probable effects that the proposed project will have on: (a) populations of fish, plant, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.

Water being discharged from the pond would not reach any continuous flowing stream, thus no effect upon fish populations nor any other marine life.

19. Name all the Department(s)/Agency(ies) where this application is being filed.

Utah Department of Health, Water Quality, Salt Lake City, Utah
Utah Division of Oil, Gas and Mining, Salt Lake City, Utah
EPA, Region VIII, Denver, Colorado

I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Signature of Applicant

DeWay Zuck

Date

3/30/84

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

